

## 5 ABSTRACT

Voltage level translators are presented, inter alia, for operating an operational amplifier integrated circuit designed for operation with a single ended power supply, to operate with a split level power supply having a center tapped ground. A first polarity power supply terminal of a operational amplifier integrated circuit is coupled to a first 10 polarity of the of the split level power supply, and a second polarity power supply terminal of the operational amplifier integrated circuit is coupled to a second polarity of the power supply, with a positive signal input terminal of the operational amplifier being coupled to a center tapped ground of the split level power supply. A second voltage level translator is presented to operate an integrated circuit having a maximum voltage 15 rating with a power supply having a power supply voltage greater than the maximum voltage rating, wherein a first zener diode is coupled in series between a first polarity of the power supply and a first polarity terminal of the integrated circuit, and a second zener diode is coupled in series between a second polarity of the power supply and a second polarity terminal of the integrated circuit.